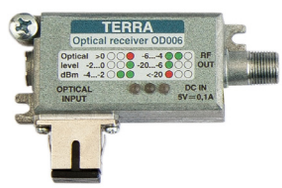
TERRA

CATV range equipment
Micro optical receivers

- designed for fiber to the home FTTH
- ultra compact optical receivers offering optimal price-performance ratio
- AGC based on optical input level
- extremely low power consumption could be powered from USB port
- built-in WDM filter 1550 nm (for OD006-55 only)
- 3xLED indication of optical input level
- die-cast housing
- connectors:
  DC IN for optical receiver feeding - micro USB connector
  RF output - type F
  optical - SC/APC



Technical specifications

TYPE		OD006	OD006-55
Ordering number		03803	03804
Optical input	optical wave lenght	1100-1600 nm	1550 nm
	optical input level (AGC range)	-6 ...0 dBm	
	optical return loss	> 40 dB	
	noise current density	≤ 6.5 pA/√Hz	
RF output	frequency range	47-1006 MHz	
	impedance	75 Ω	
	return loss	≥ 14 dB at 40 MHz-1.5 dB/octave	
	frequency response	± 0.75 dB	
	output level (AGC controlled, 4.9% OMI)	80 dBμV	
	output level (CTB, EN50083-3)	80 dBμV (42 ch.)	
	output level (CSO , EN50083-3)	80 dBμV (42 ch.)	
Power consumption		DC 5 V 0.1 A	
Operating temperature range		-20° ÷ + 50° C	
Dimensions/Weight (packed)		72x53x19 mm/0.08 kg	

Power supply for OD006xx



- switch-mode technology
- short circuit and overload protected

Technical specifications

TYPE	RPI-PSU-EU-MK1
Ordering number	00634
DC output	+5 V 1 A
Mains voltage	100 V÷ 240 V~ 50/60 Hz
DC plug	micro USB
Operating temperature	0° ÷ + 40° C
Dimensions/Weight (packed)	54x24x38 mm / 0. 07 kg